



India Meteorological Department  
Earth System Science Organisation  
(Ministry of Earth Sciences)

**BULLETIN NO.: 01 (BAY OF BENGAL 01/2020)**

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**DATED: 16.05.2020**

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**Sub: Depression over southeast Bay of Bengal and its likely intensification into a Cyclonic Storm: Pre-cyclone Watch for West Bengal and North Odisha coasts (Yellow Message).**

The well marked low pressure area over southeast Bay of Bengal concentrated into **depression** has formed over Southeast Bay of Bengal and lay centred at 0530 hrs IST of today, the 16<sup>th</sup> May, 2020 near latitude 10.4°N and longitude 87.0°E, about 1100 km south of Paradip (Odisha), 1250 km south of Digha (West Bengal) and 1330 km south-southwest of Khepupara (Bangladesh). It is very likely to intensify rapidly into a Cyclonic Storm by today evening and further into a severe cyclonic storm during subsequent 24 hours. It is very likely to move north-northwestwards initially till 17<sup>th</sup> May and then re-curve north-northeastwards across northwest Bay of Bengal towards West Bengal coast during 18<sup>th</sup> to 20<sup>th</sup> May 2020.

Forecast track and intensity are given in the following table:

Date/Time(IST)	Position (Lat. °N/ long. °E)	Maximum sustained surface wind speed (Kmph)	Category of cyclonic disturbance
16.05.20/0530	10.4/87.0	40-50 gusting to 60	Depression
16.05.20/1130	10.7/86.9	50-60 gusting to 70	Deep Depression
16.05.20/1730	11.0/86.8	60-70 gusting to 80	Cyclonic Storm
16.05.20/2330	11.6/86.7	75-85 gusting to 95	Cyclonic Storm
17.05.20/0530	12.3/86.6	90-100 gusting to 110	Severe Cyclonic Storm
17.05.20/1730	13.4/86.5	100-110 gusting to 120	Severe Cyclonic Storm
18.05.20/0530	14.3/86.4	120-130 gusting to 145	Very Severe Cyclonic Storm
18.05.20/1730	15.4/86.3	135-145 gusting to 160	Very Severe Cyclonic Storm
19.05.20/0530	16.6/86.4	155-165 gusting to 180	Very Severe Cyclonic Storm
19.05.20/1730	18.2/86.7	170-180 gusting to 200	Extremely Severe Cyclonic Storm
20.05.20/0530	19.8/87.3	160-170 gusting to 190	Extremely Severe Cyclonic Storm
20.05.20/1730	21.8/87.9	145-155 gusting to 170	Very Severe Cyclonic Storm
21.05.20/0530	24.0/88.5	110-120 gusting to 135	Severe Cyclonic Storm

**Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%**

**Rainfall amount (mm): Heavy rain: 64.5 – 115.5, Very heavy rain: 115.6 – 204.4, Extremely heavy rain: 204.5 or more.**

## Warnings:

### (i) Rainfall (over Andaman & Nicobar Islands):

- Light to moderate rainfall at most places with heavy falls at isolated places is very likely over Andaman & Nicobar Islands on 16<sup>th</sup> May.
- **Rainfall (over Odisha & Gangetic West Bengal)**  
Coastal Odisha is likely to experience light to moderate rainfall with heavy falls at isolated places from 18<sup>th</sup> May evening and heavy to very heavy rainfalls at a few places on 19<sup>th</sup> May and isolated heavy rainfall over northern Odisha coast on 20<sup>th</sup> May 2020. Coastal districts of Gangetic West Bengal are likely to experience light to moderate rainfall with heavy falls at a few places on 19<sup>th</sup> May and heavy to very heavy falls at a few places with extremely heavy falls at isolated places over Gangetic West Bengal on 20<sup>th</sup> May.

### (ii) Wind warning

- Squally wind speed reaching 45 to 55 kmph gusting to 65 kmph is likely along and off Odisha coast from 19<sup>th</sup> morning and along and off West Bengal coast from 19<sup>th</sup> afternoon. The wind speed will gradually increase becoming gale wind speed reaching 65 to 75 kmph from 20<sup>th</sup> morning along and off north Odisha and West Bengal coast. It will gradually increase thereafter.
- Squally wind speed reaching 45 to 55 kmph gusting to 65 kmph is likely over Andaman Sea during next 48 hours.
- Squally wind speed reaching 45 to 55 kmph gusting to 65 kmph is prevailing over southeast and adjoining southwest Bay of Bengal. It is likely to increase becoming 90-100 gusting to 110 kmph over eastcentral and adjoining west central Bay of Bengal by 17<sup>th</sup> morning, 120-130 gusting to 145 kmph over southern parts of central Bay of Bengal by 18<sup>th</sup> morning, 155-165 gusting to 180 kmph over northern parts of central Bay of Bengal and adjoining north Bay of Bengal on 19<sup>th</sup>, and 160-170 gusting to 190 kmph over north Bay of Bengal by 20<sup>th</sup> morning.

### (iii) Sea condition

Sea condition will be rough to very rough over south & adjoining central Bay of Bengal and Andaman Sea till 16<sup>th</sup> May afternoon. It will be High over southwest and adjoining central Bay of Bengal from the 16<sup>th</sup> May evening, very high over the same region from 17<sup>th</sup> morning. It will become phenomenal over southern parts of central Bay of Bengal on 18<sup>th</sup>, over northern parts of central Bay of Bengal and adjoining north Bay of Bengal on 19<sup>th</sup> May and over north Bay of Bengal on 20<sup>th</sup> May 2020.

### (iv) Fishermen Warning

- The fishermen are advised not to venture into south Bay of Bengal from 16<sup>th</sup> to 17<sup>th</sup> May, to central Bay of Bengal 17<sup>th</sup> to 18<sup>th</sup> May and north Bay of Bengal during 19 to 20<sup>th</sup> May 2020.
- Also, fishermen are advised not to venture into north Bay of Bengal along and off North Odisha, West Bengal and adjoining Bangladesh coast during 18<sup>th</sup> to 20<sup>th</sup> May 2020.

Kindly visit [www.rsmcnewdelhi.imd.gov.in](http://www.rsmcnewdelhi.imd.gov.in) and [www.mausam.imd.gov.in](http://www.mausam.imd.gov.in) for updates on the system.

**Next Bulletin will be issued at 1130 hours IST of 16<sup>th</sup> May, 2020.**

**(Ananda Kumar Das)**  
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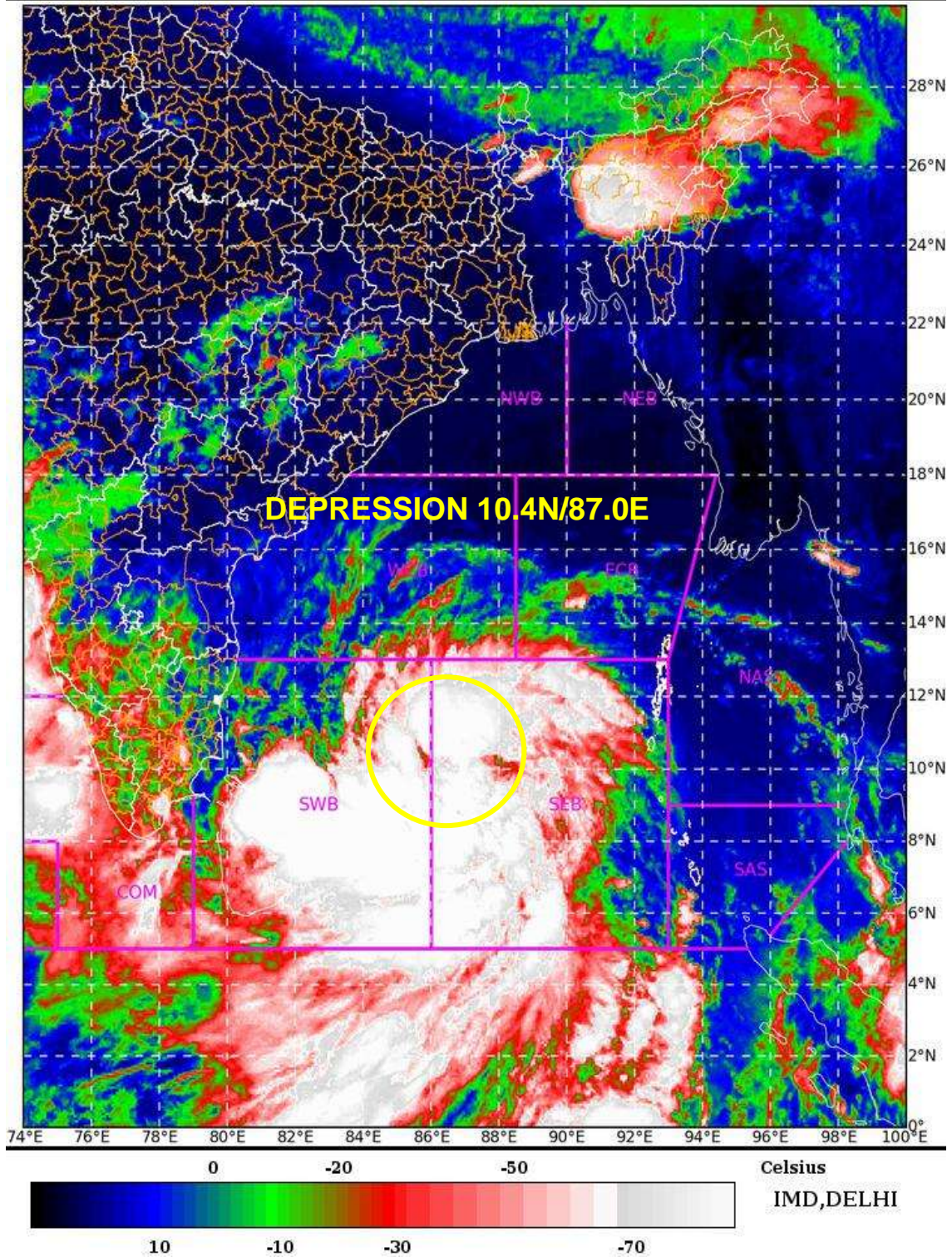
**Copy to: CRS, Pune/ ACWC Chennai/ ACWC Kolkata/CWC Bhubaneswar/ /CWC Visakhapatnam**



SAT : INSAT-3D IMG 16-05-2020/(0130 to 0156) GMT

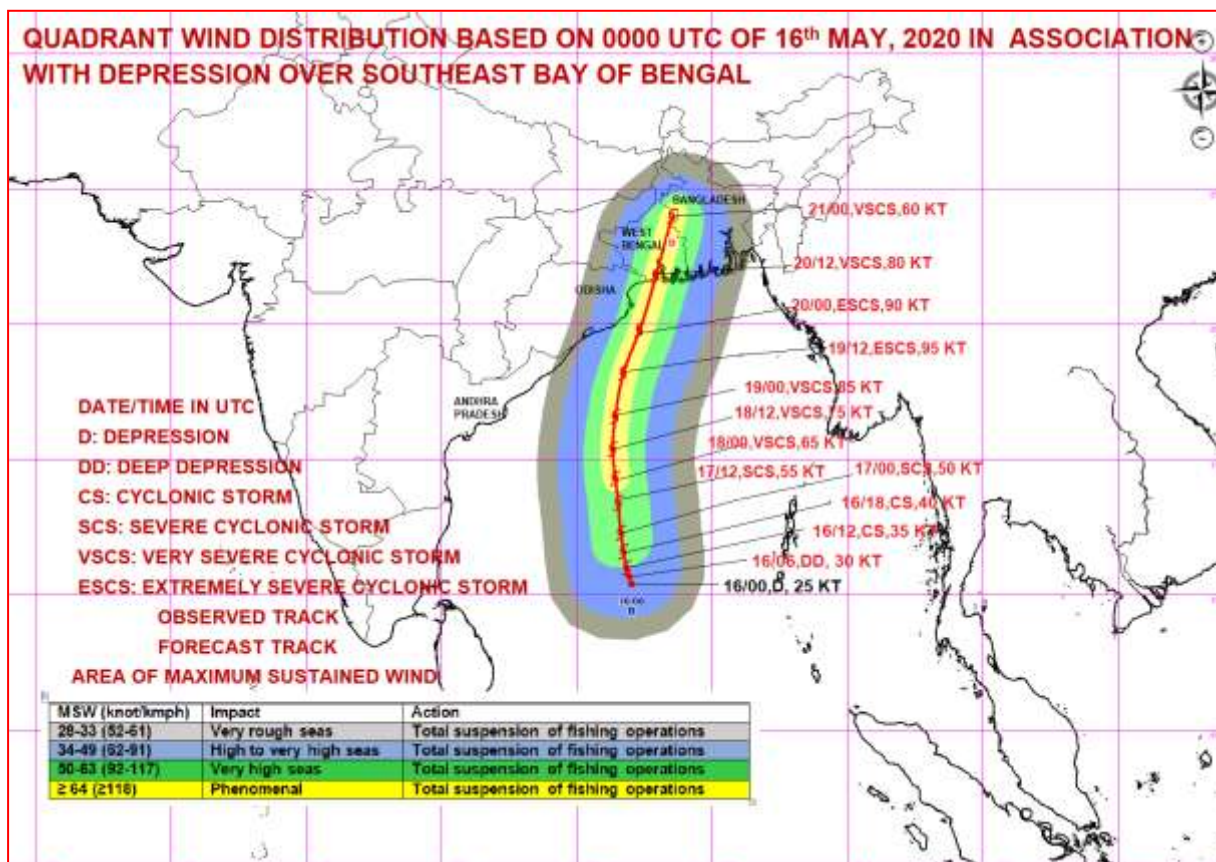
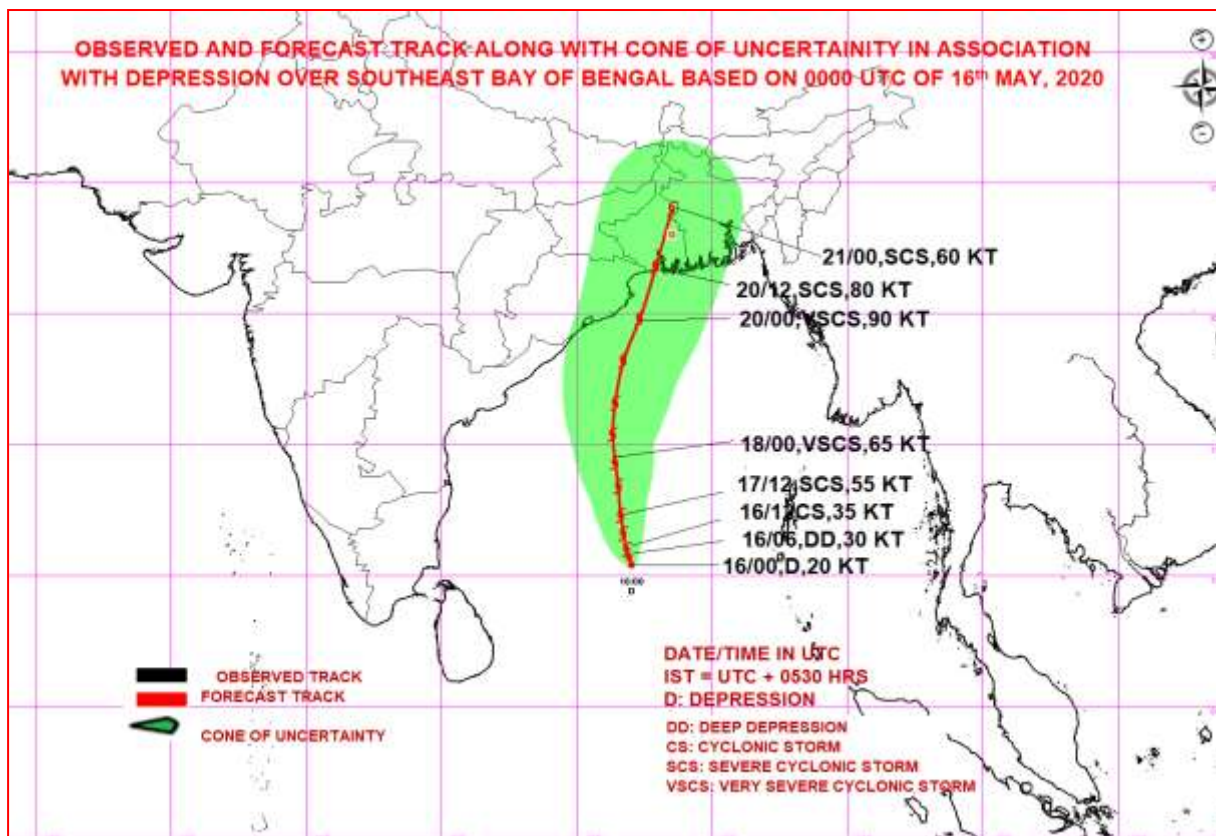
IMG\_TIR1\_TEMP 10.8 um 16-05-2020/(0700 to 0726) IST

L1C Mercator



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